

Proportional Solenoid Valve for a Camshaft Adjusting Device of Motor Vehicles

Abstract

A proportional solenoid valve or a camshaft adjusting device of motor vehicles has a valve housing and a piston movably arranged in the valve housing and provided with at least one pressure medium passage. A solenoid part is connected to the valve housing and acts on the piston. The valve housing has at least one working connector, a tank connector, and a pressure connector configured to supply a pressure medium into the piston. A leakage passage is provided that connects the pressure connector at all times to the at least one working connector.